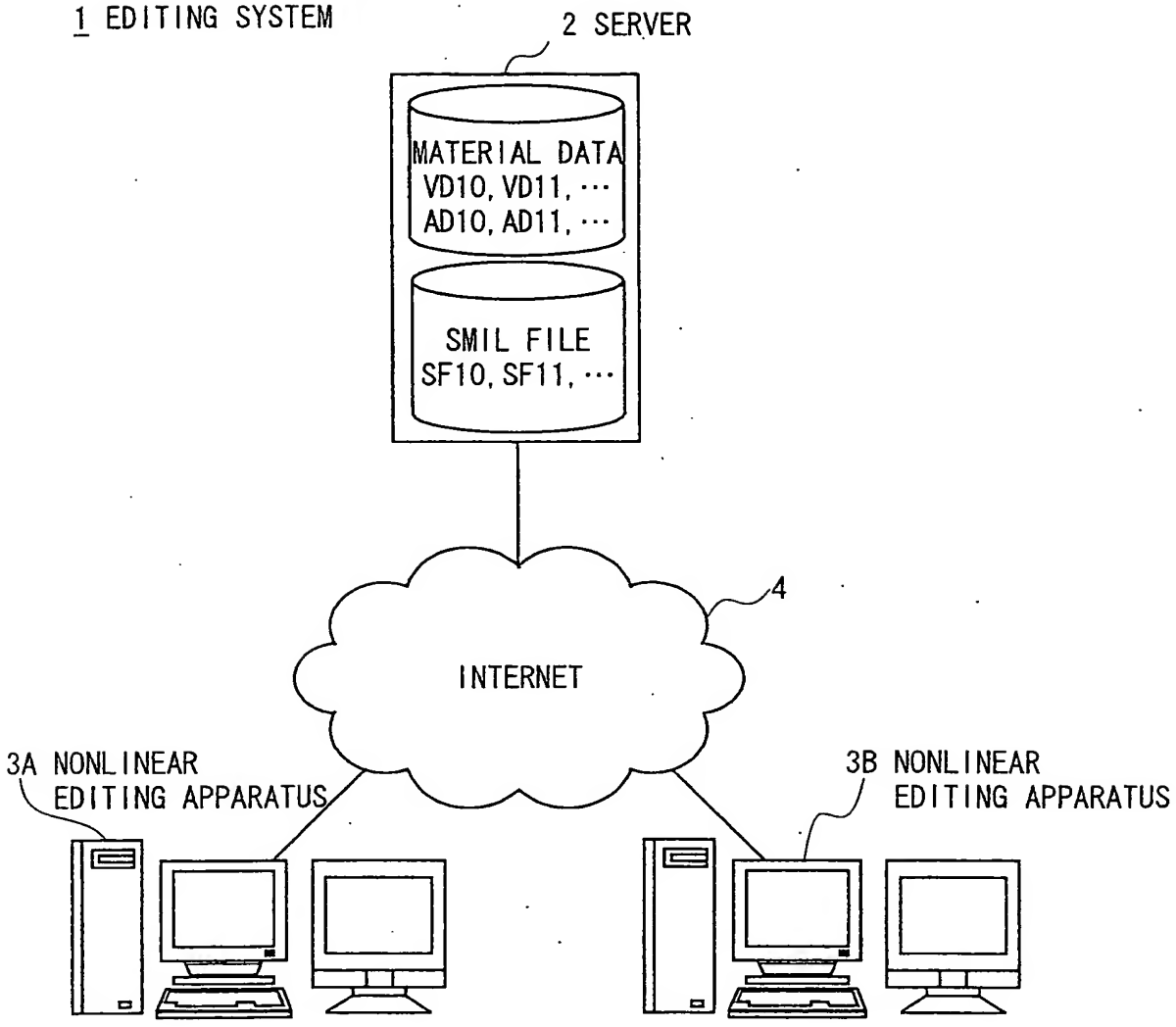
1 EDITING SYSTEM
2 SERVER
MATERIAL DATA
VD10, VD11, ···
AD10, AD11, ···
SMIL FILE
SF10, SF11, ···
4
INTERNET
3A NONLINEAR
EDITING APPARATUS
3B NONLINEAR
EDITING APPARATUS

FIG. 1

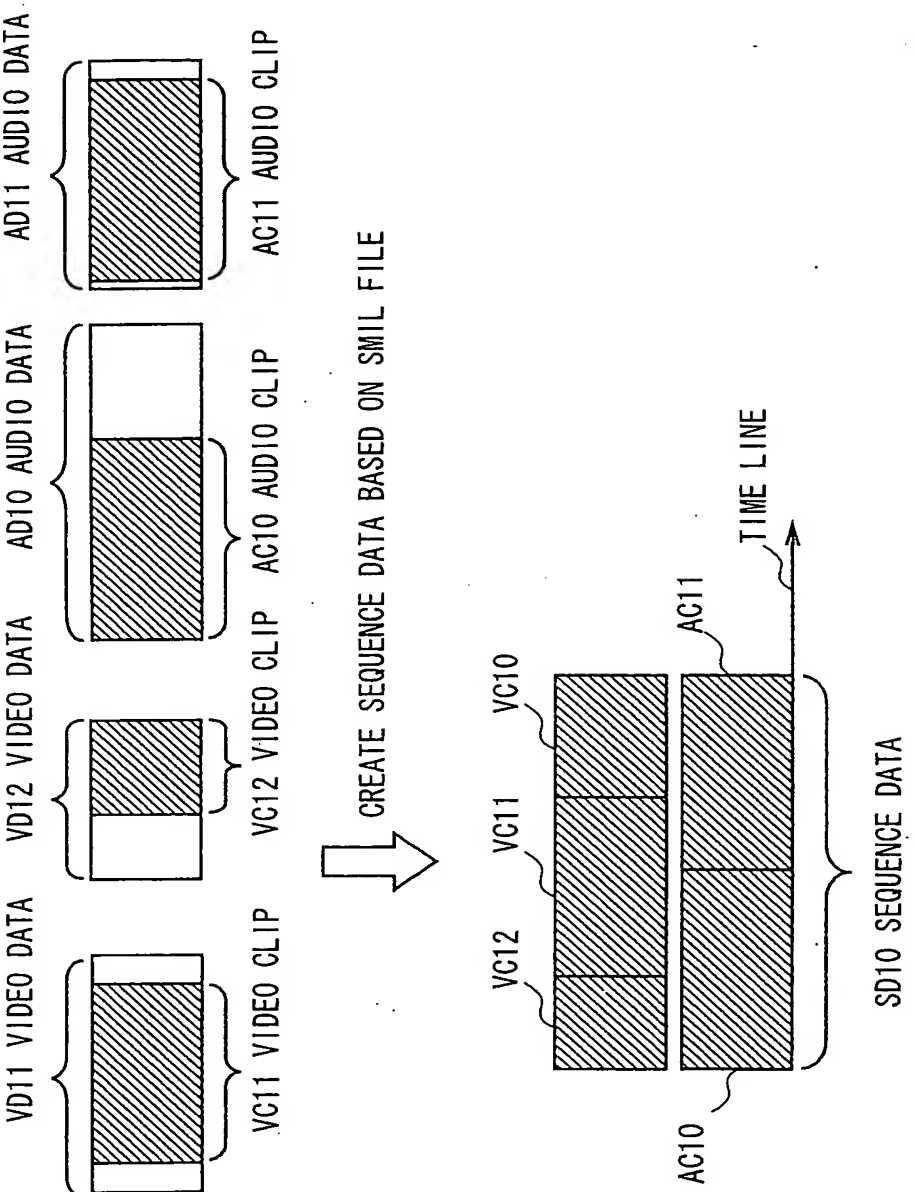
VD10 VIDEO DATA
VD11 VIDEO DATA
VD12 VIDEO DATA
AD10 AUDIO DATA
AD11 AUDIO DATA
VC10 VIDEO CLIP
VC11 VIDEO CLIP
VC12 VIDEO CLIP
AC10 AUDIO CLIP
AC11 AUDIO CLIP
CREATE SEQUENCE DATA BASED ON SMIL FILE
VC12
VC11
VC10
AC10
AC11
TIME LINE
SD10 SEQUENCE DATA

FIG. 2

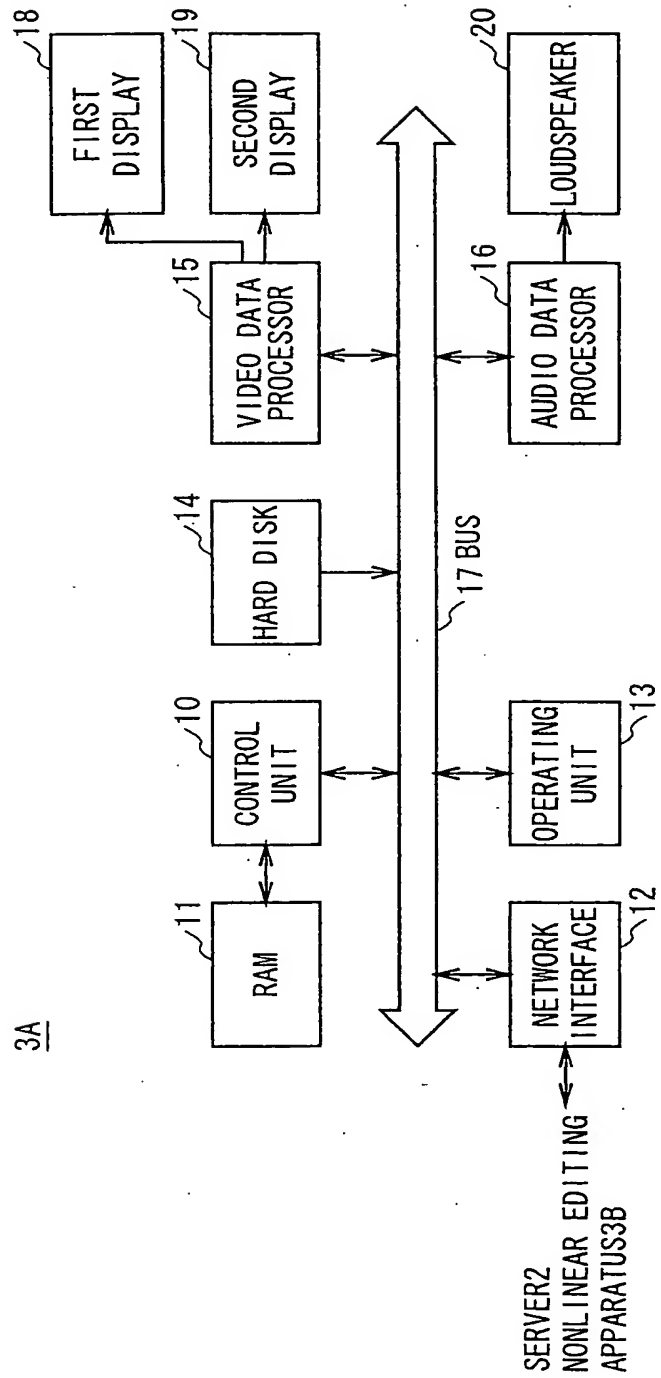
3A
RAM
11
CONTROL UNIT
10
HARD DISK
14
VIDEO DATA PROCESSOR
15
FIRST DISPLAY
18
SECOND DISPLAY
19
17 BUS
NETWORK INTERFACE
12
OPERATING UNIT
13
AUDIO DATA PROCESSOR
16
LOUDSPEAKER
20
SERVER2
NONLINEAR EDITING APPARATUS3B

FIG. 3

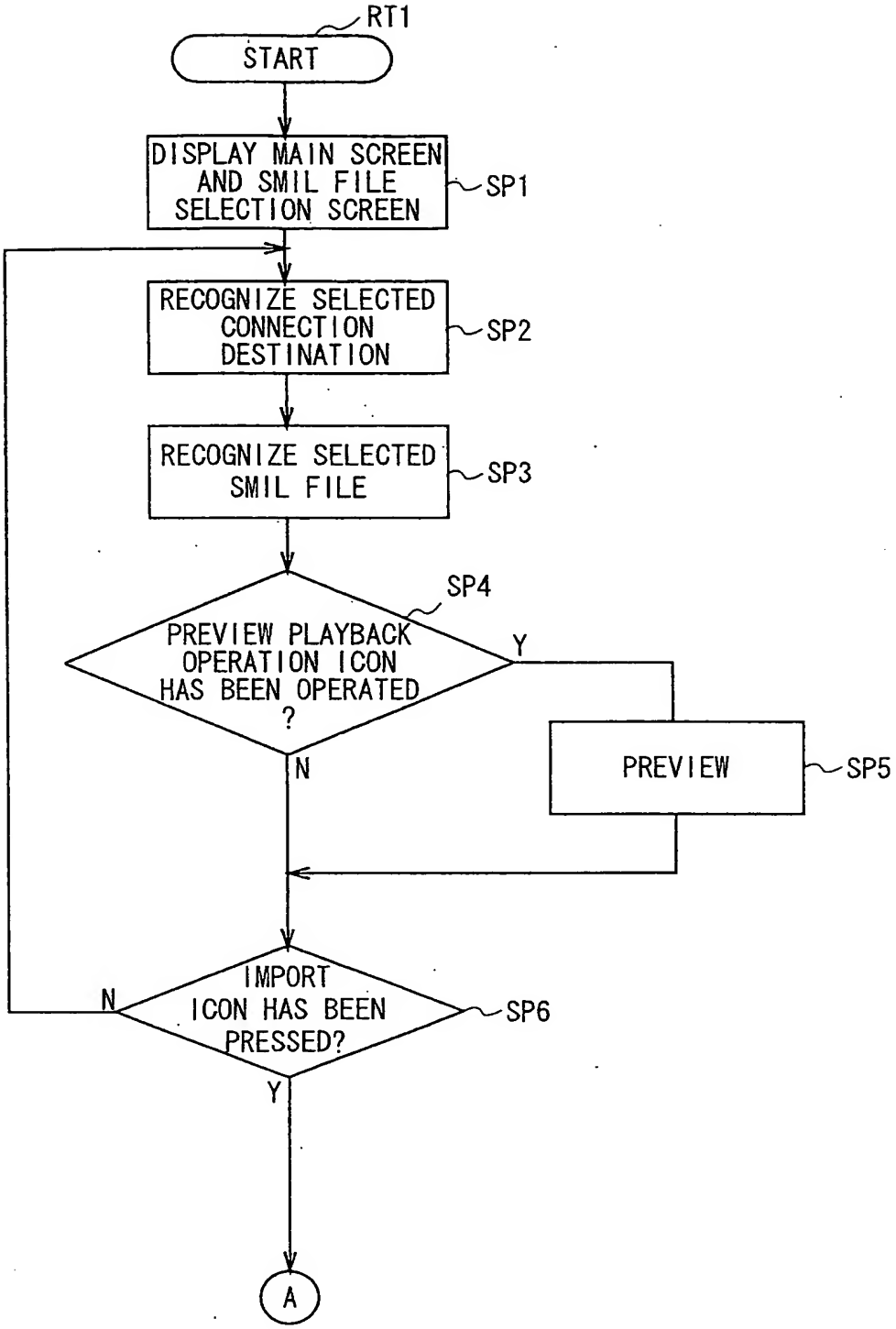
RT1
START
DISPLAY MAIN SCREEN AND SMIL FILE SELECTION SCREEN
SP1
RECOGNIZE SELECTED CONNECTION DESTINATION
SP2
RECOGNIZE SELECTED SMIL FILE
SP3
SP4
PREVIEW PLAYBACK OPERATION ICON HAS BEEN OPERATED ?
Y
N
PREVIEW
SP5
IMPORT ICON HAS BEEN PRESSED?
SP6
N
Y
A

FIG. 4

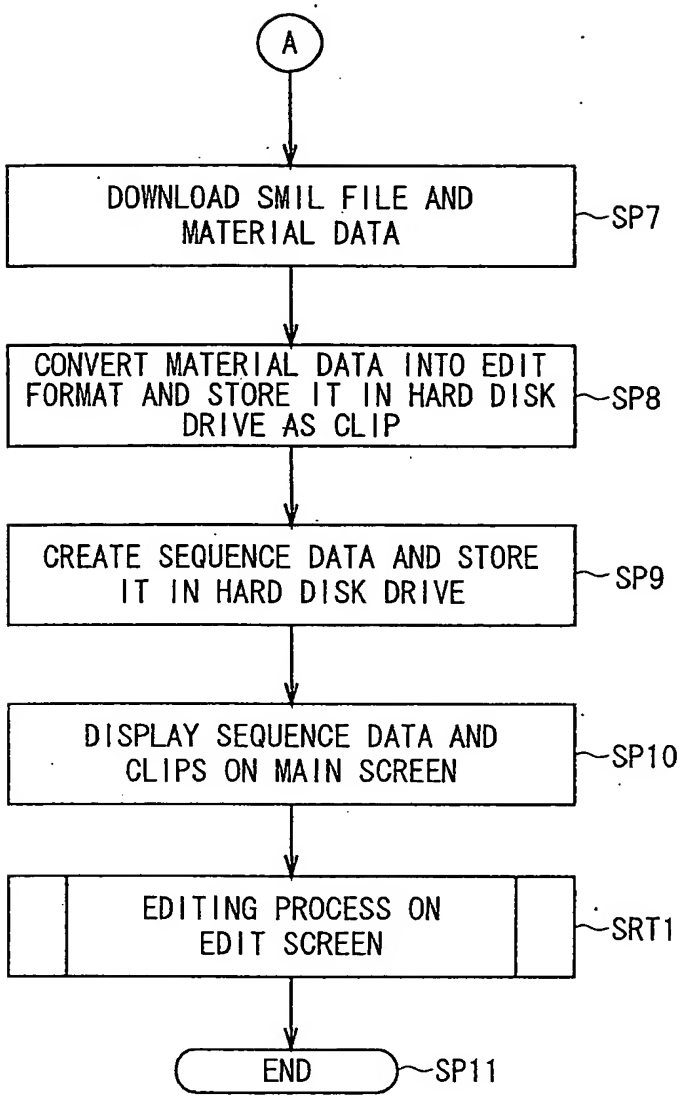
A
DOWNLOAD SMIL FILE AND MATERIAL DATA
SP7
CONVERT MATERIAL DATA INTO EDIT FORMAT AND STORE IT IN HARD DISK DRIVE AS CLIP
SP8
CREATE SEQUENCE DATA AND STORE IT IN HARD DISK DRIVE
SP9
DISPLAY SEQUENCE DATA AND CLIPS ON MAIN SCREEN
SP10
EDITING PROCESS ON EDIT SCREEN
SRT1
END
SP11

FIG. 5

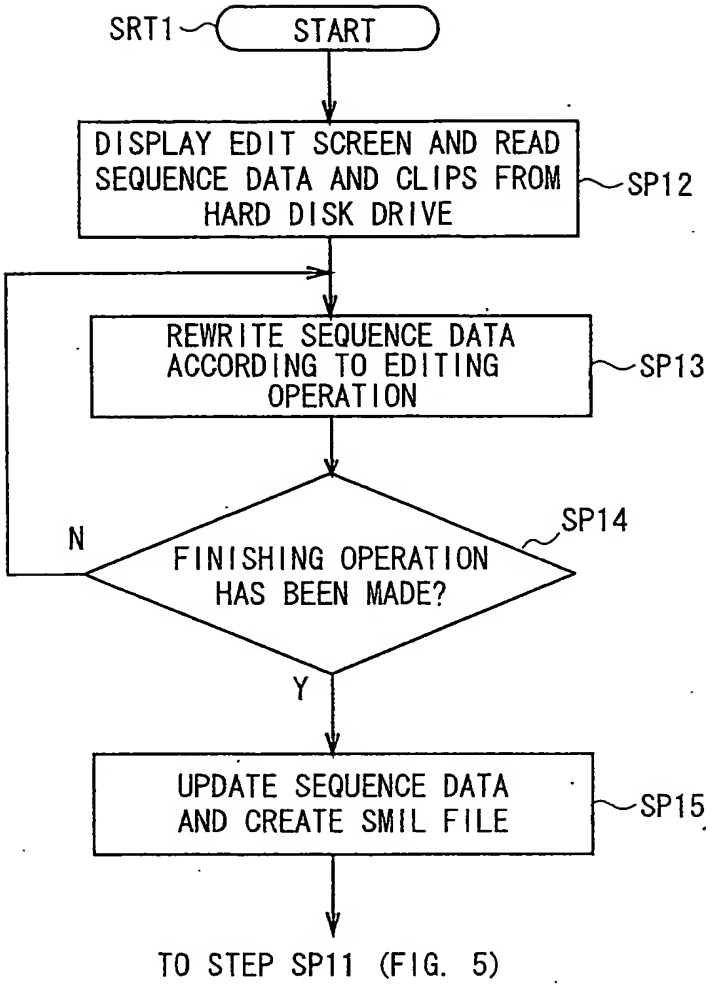
SRT1
START
DISPLAY EDIT SCREEN AND READ SEQUENCE DATA AND CLIPS FROM HARD DISK DRIVE
SP12
REWRITE SEQUENCE DATA ACCORDING TO EDITING OPERATION
SP13
SP14
N
FINISHING OPERATION HAS BEEN MADE?
Y
UPDATE SEQUENCE DATA AND CREATE SMIL FILE
SP15
TO STEP SP11 (FIG. 5)

FIG. 6

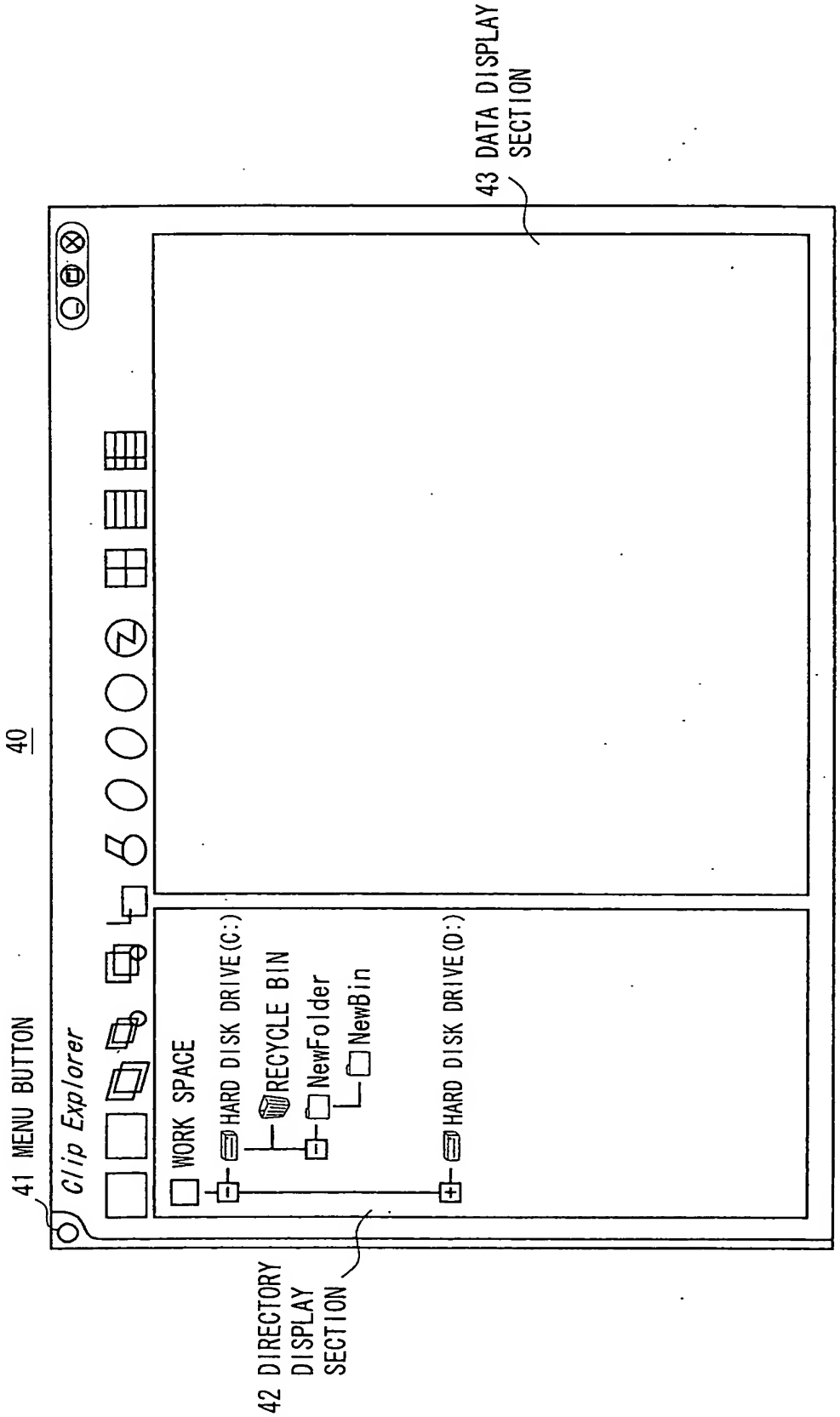
40
41 MENU BUTTON
Clip Explorer
WORK SPACE
HARD DISK DRIVE(C:)
RECYCLE BIN
NewFolder
NewBin
HARD DISK DRIVE(D:)
42 DIRECTORY DISPLAY SECTION
43 DATA DISPLAY SECTION

FIG. 7

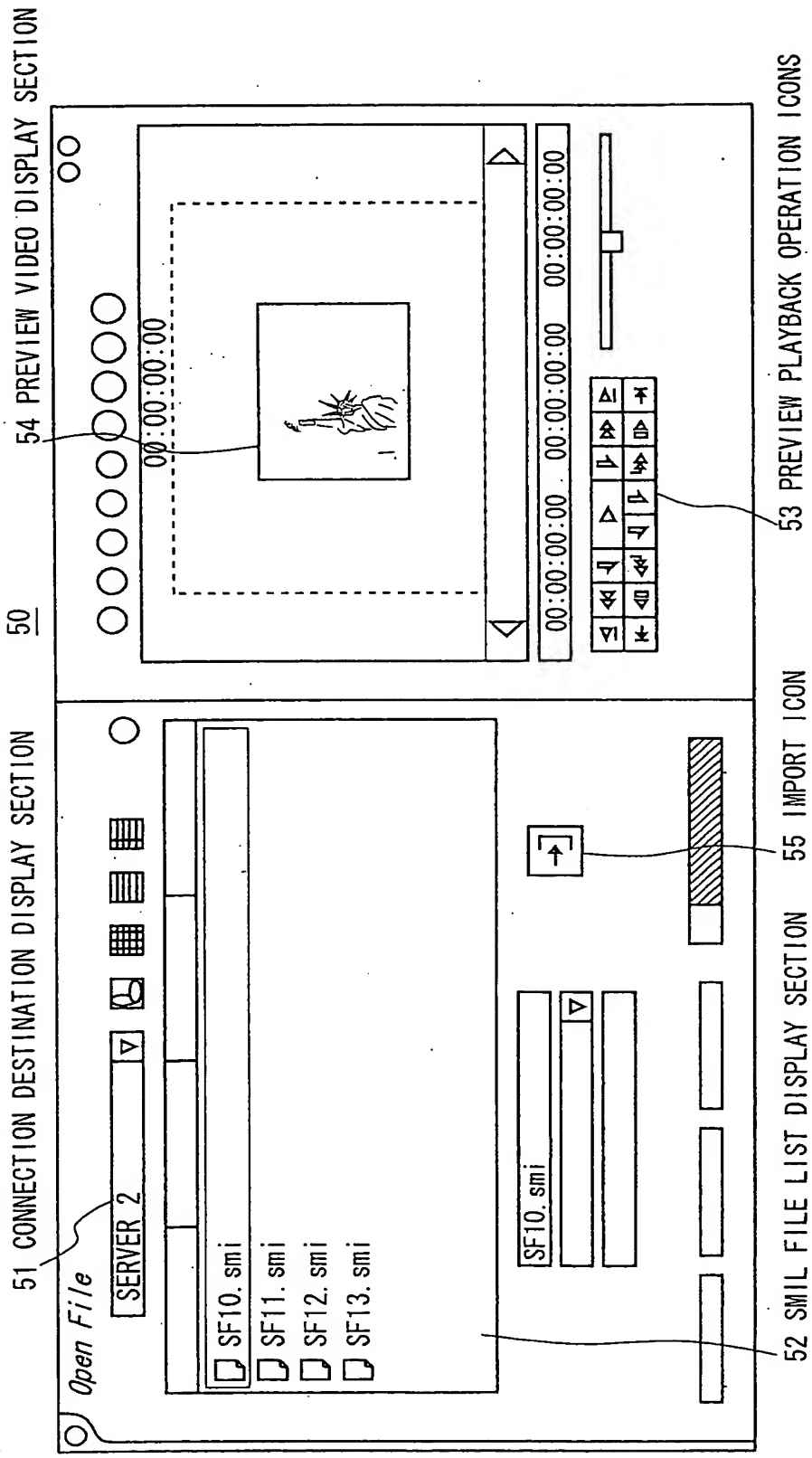
50
54 PREVIEW VIDEO DISPLAY SECTION
00:00:00:00
00:00:00:00 00:00:00:00 00:00:00:00
53 PREVIEW PLAYBACK OPERATION ICONS
51 CONNECTION DESTINATION DISPLAY SECTION
Open File
SERVER 2
SF10.smi
SF11.smi
SF12.smi
SF13.smi
SF10.smi
55 IMPORT ICON
52 SMIL FILE LIST DISPLAY SECTION

FIG. 8

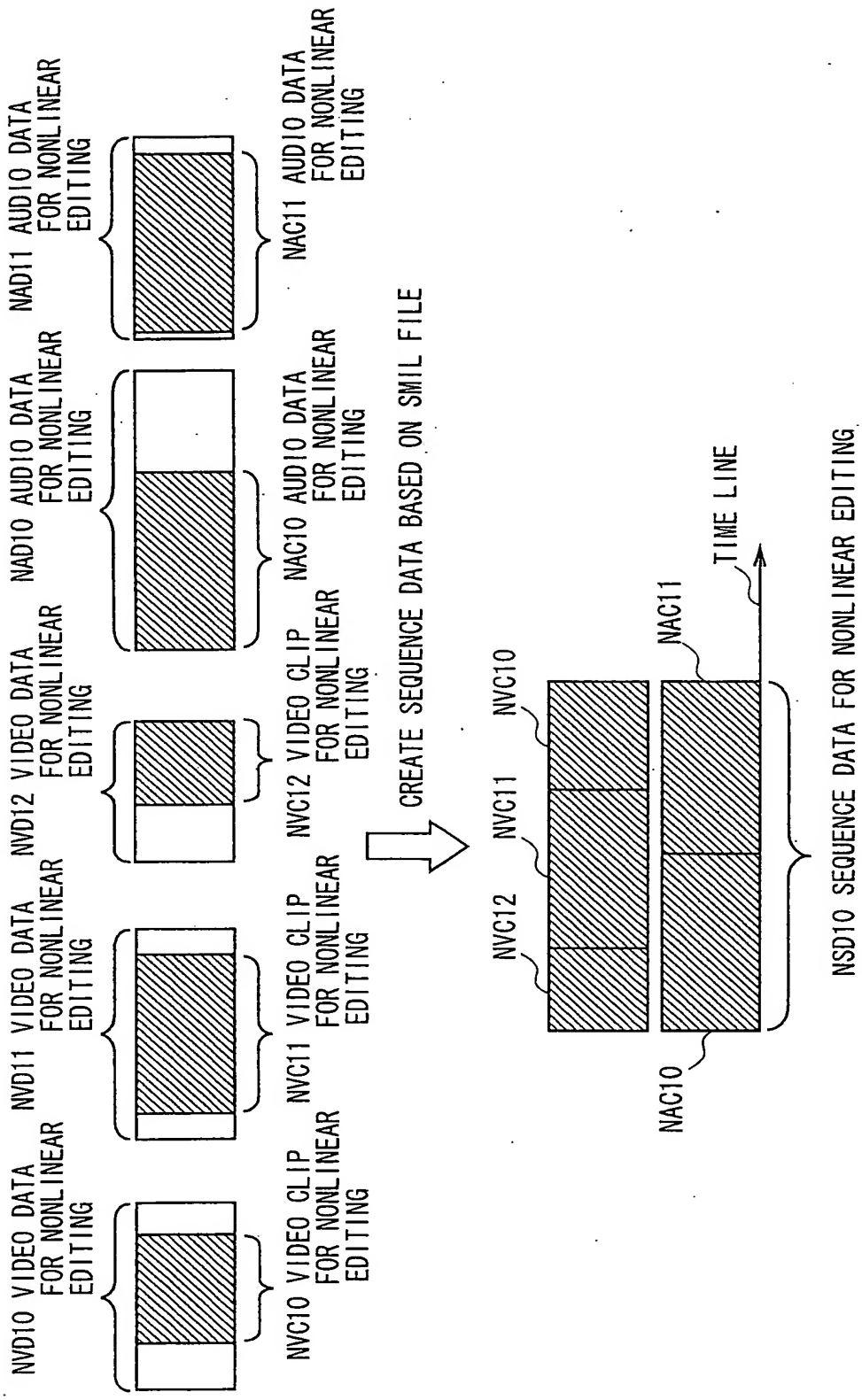
NVD10 VIDEO DATA FOR NONLINEAR EDITING
NVC10 VIDEO CLIP FOR NONLINEAR EDITING
NVD11 VIDEO DATA FOR NONLINEAR EDITING
NVC11 VIDEO CLIP FOR NONLINEAR EDITING
NVD12 VIDEO DATA FOR NONLINEAR EDITING
NVC12 VIDEO CLIP FOR NONLINEAR EDITING
NAD10 AUDIO DATA FOR NONLINEAR EDITING
NAC10 AUDIO DATA FOR NONLINEAR EDITING
NAD11 AUDIO DATA FOR NONLINEAR EDITING
NAC11 AUDIO DATA FOR NONLINEAR EDITING
CREATE SEQUENCE DATA BASED ON SMIL FILE
NVC12
NVC11
NVC10
NAC10
NAC11
TIME LINE
NSD10 SEQUENCE DATA FOR NONLINEAR EDITING

FIG. 9

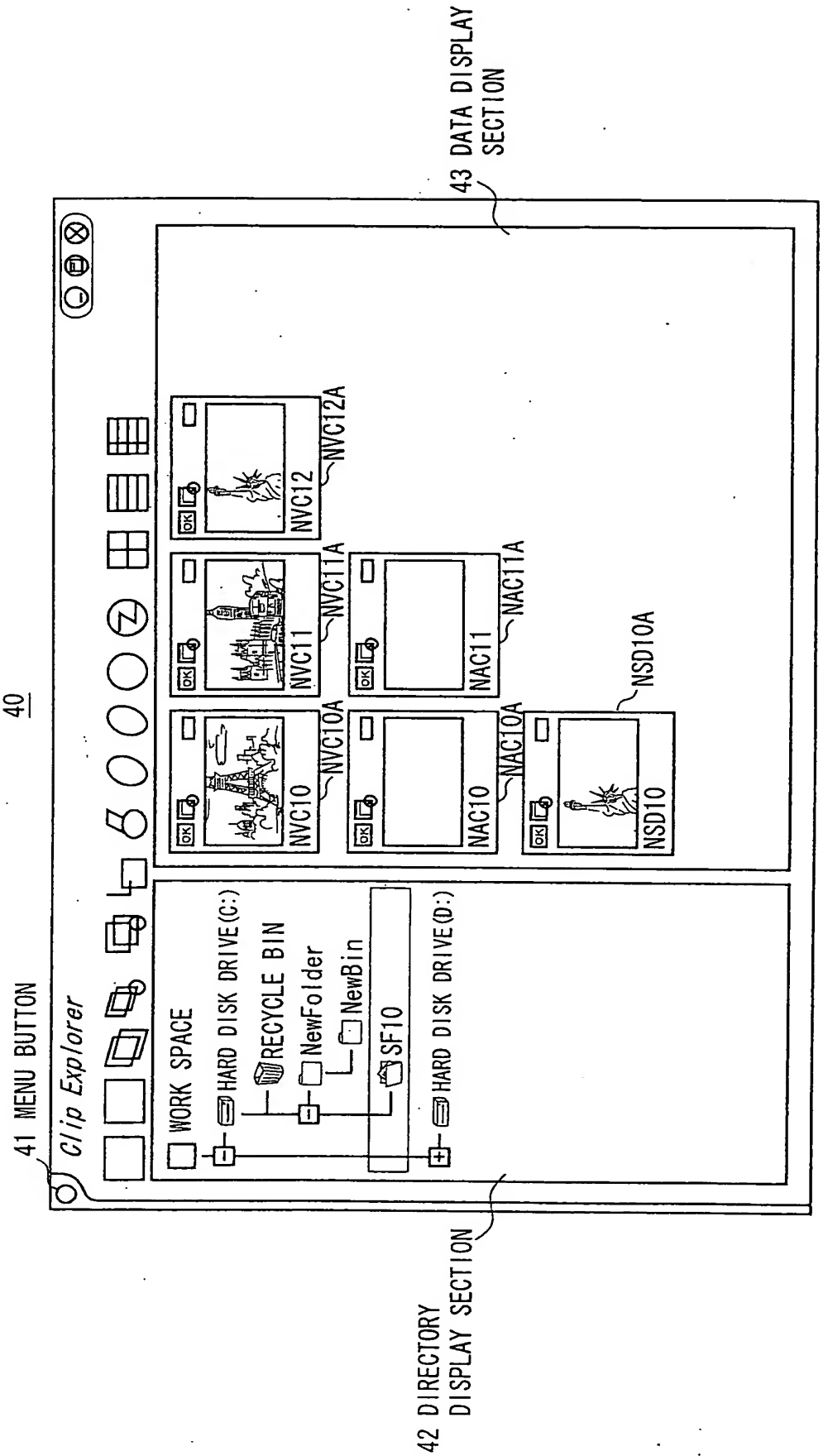
40
41 MENU BUTTON
Clip Explorer
WORK SPACE
HARD DISK DRIVE(C:)
RECYCLE BIN
NewFolder
NewBin
SF10
HARD DISK DRIVE(D:)
42 DIRECTORY DISPLAY SECTION
43 DATA DISPLAY SECTION
NVC10
NVC10A
NAC10
NAC10A
NSD10
NSD10A
NVC11
NVC11A
NAC11
NAC11A
NVC12
NVC12A

FIG.10

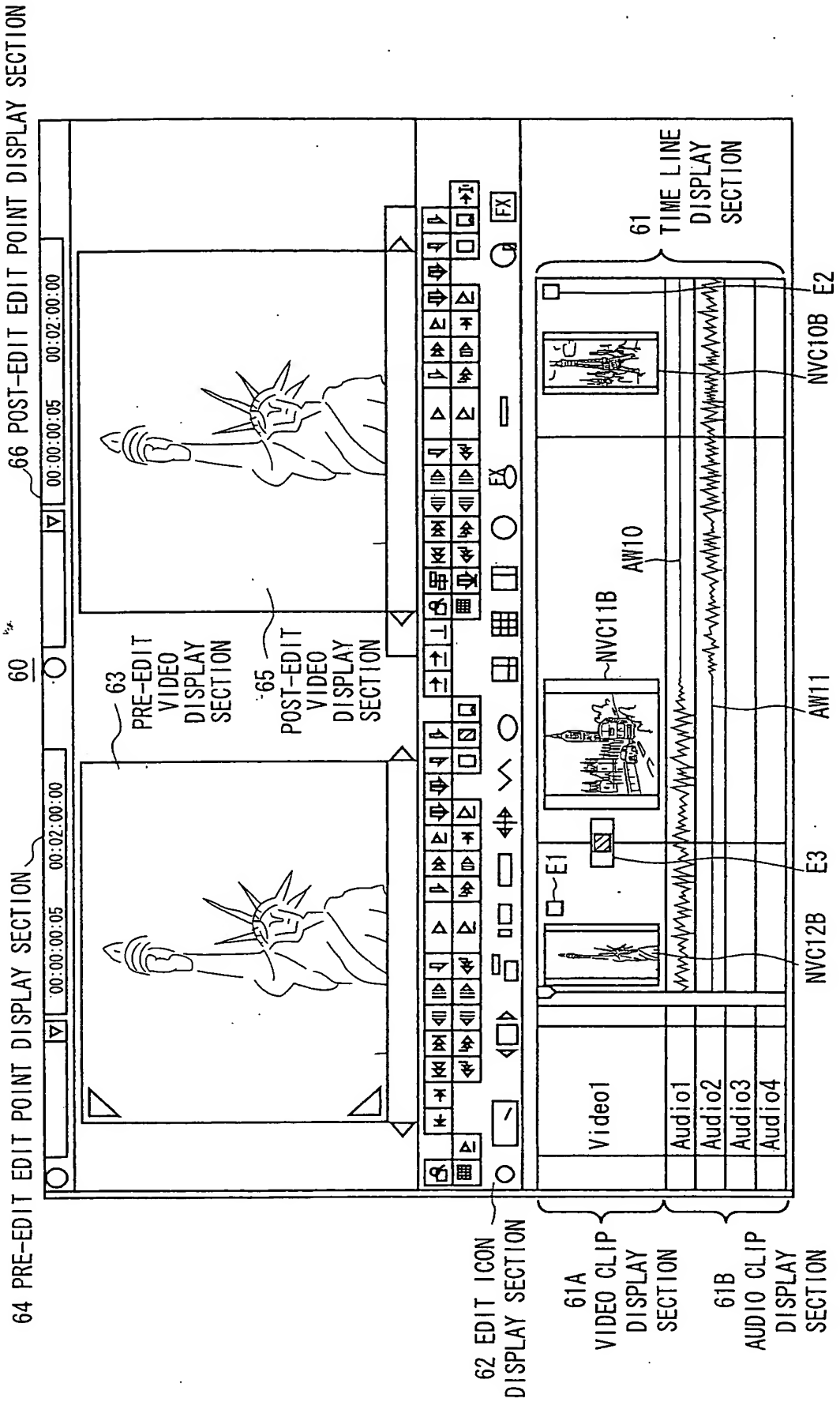
64 PRE-EDIT EDIT POINT DISPLAY SECTION
60
66 POST-EDIT EDIT POINT DISPLAY SECTION
00:00:00:05
00:02:00:00
00:00:00:05
00:02:00:00
63
PRE-EDIT VIDEO DISPLAY SECTION
65
POST-EDIT VIDEO DISPLAY SECTION
FX
61
TIME LINE DISPLAY SECTION
E2
NVC10B
NVC11B
AW10
E1
E3
AW11
NVC12B
Video1
Audio1
Audio2
Audio3
Audio4
62 EDIT ICON DISPLAY SECTION
61A VIDEO CLIP DISPLAY SECTION
61B AUDIO CLIP DISPLAY SECTION

FIG. 11

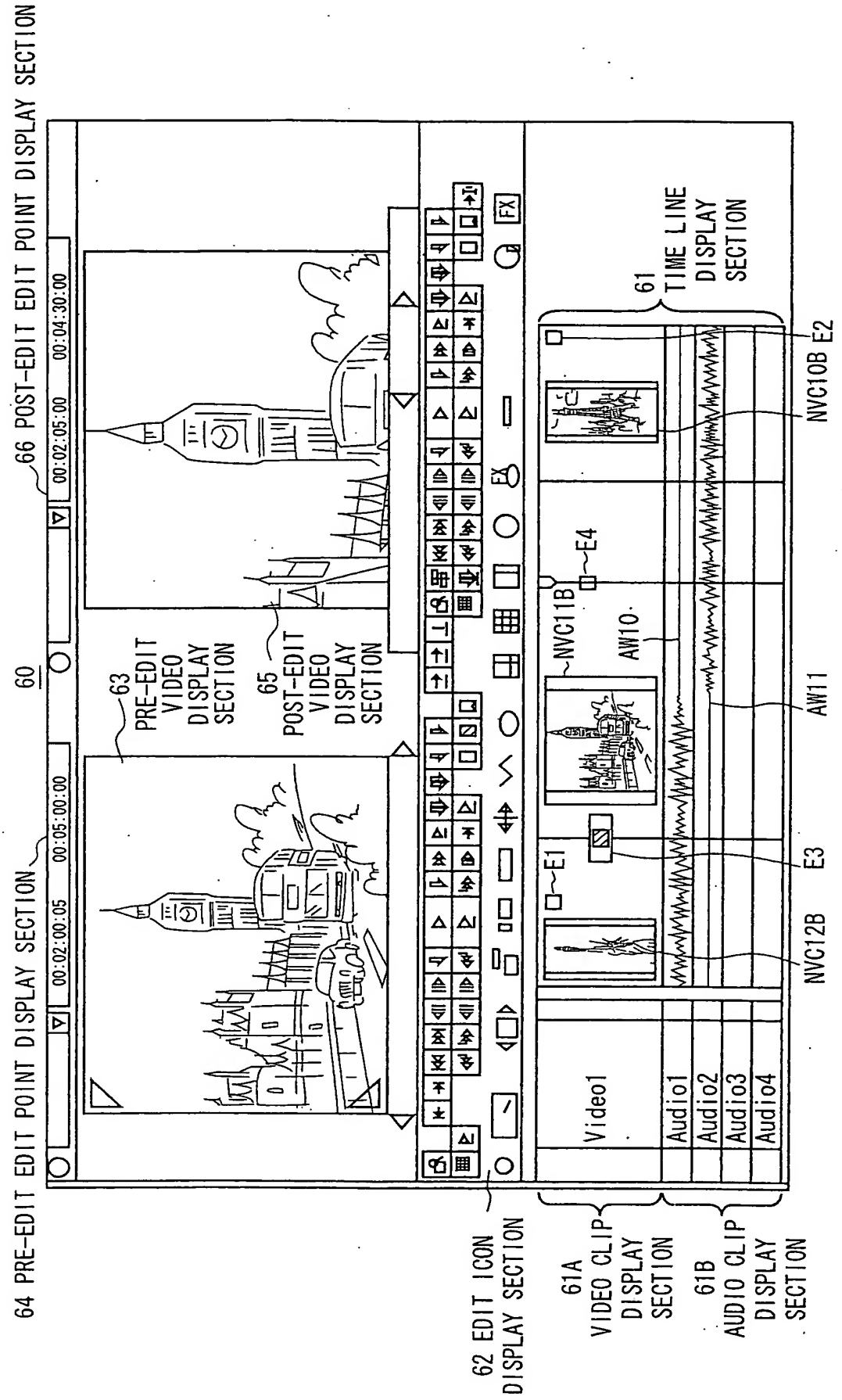
64 PRE-EDIT EDIT POINT DISPLAY SECTION
60
66 POST-EDIT EDIT POINT DISPLAY SECTION
00:02:00:05
00:05:00:00
00:02:05:00
00:04:30:00
63
PRE-EDIT VIDEO DISPLAY SECTION
65
POST-EDIT VIDEO DISPLAY SECTION
FX
61
TIME LINE DISPLAY SECTION
NVC11B
E4
AW10
NVC10B
E2
E1
E3
AW11
NVC12B
Video1
Audio1
Audio2
Audio3
Audio4
62 EDIT ICON DISPLAY SECTION
61A VIDEO CLIP DISPLAY SECTION
61B AUDIO CLIP DISPLAY SECTION

FIG. 12

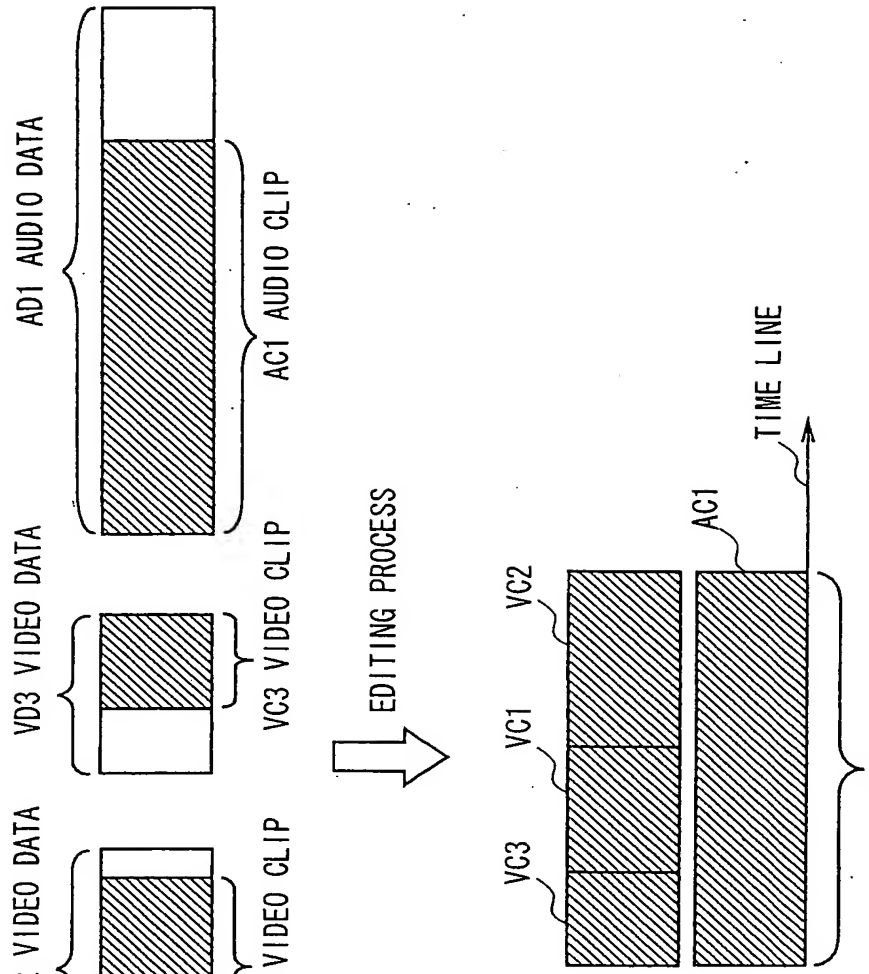
VD1 VIDEO DATA
VC1 VIDEO CLIP
VD2 VIDEO DATA
VC2 VIDEO CLIP
VD3 VIDEO DATA
VC3 VIDEO CLIP
AD1 AUDIO DATA
AC1 AUDIO CLIP
EDITING PROCESS
VC3
VC1
VC2
AC1
TIME LINE
SD1 SEQUENCE DATA

FIG. 13

DESCRIPTION OF REFERENCE NUMERALS

1...EDITING SYSTEM, 2..SERVER, 3A, 3B...NONLINEAR EDITING APPARATUS, 4...INTERNET, 10...CONTROL UNIT, 12...NETWORK INTERFACE, 13...OPERATING UNIT, 14...HARD DISK DRIVE, 40...MAIN SCREEN, 50...SMIL FILE SELECTION SCREEN, 55...IMPORT ICON, 60...EDIT SCREEN, 61...TIME LINE DISPLAY SECTION, 62...EDIT ICON DISPLAY SECTION, 63...PRE-EDIT VIDEO DISPLAY SECTION, 65...POST-EDIT VIDEO DISPLAY SECTION, (VD10, VD11...)...VIDEO DATA, (AD10, AD11...)...AUDIO DATA, (NSD10, NSD11...)...SEQUENCE DATA FOR NONLINEAR EDITING, (SF10, SF11, ..., SF10N, SF11N...)...SMIL FILE